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Attorney's Docket No. 003300-872

Patent
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EXAMINER 1600/2900

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

KJELL OLMARKER et al.

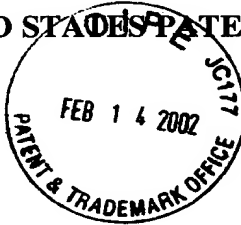
Application No.: 09/980,784

Filed: January 8, 2002

For: ANTIBODIES TO NUCLEUS
PULPOSUS IN DISC HERNIATION,
DIAGNOSTIC KIT, MEDICAL
PREPARATIONS AND
TREATMENT

Group Art Unit: 1614

Examiner: (unassigned)



SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

This submission is intended to supplement the Information Disclosure Statement filed on December 6, 2001.

The undersigned attorney now has obtained and provides copies of three (3) additional items that were cited in the International Search Report. More specifically, copies of U.S. Patent No. 4,628,027, International Publication No. WO94/14070 and "Degenerative Disk Disease of the Lumbar Spine" are provided.

Applicants additionally provide copies of thirteen (13) items that are identified in the Specification.

For the convenience of the Examiner a form PTO-1449 is attached that lists the above items. It is requested that an Examiner-initialed copy of this form be returned to the undersigned once the above items are considered.

The examination and allowance of the Application are respectfully requested.

Respectfully submitted,

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Substitute for form 1449A/PTO

ATTORNEY'S DKT NO.
003300-872APPLICATION NO.
09/980,784INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Kjell OLMARKER *et al.*FILING DATE
January 8, 2002GROUP
1614

U.S. PATENT DOCUMENTS

Examiner Initials	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication (MM-DD-YYYY)
	Number	Kind Code (if known)		
	4,628,027		Gay	12/1986

FOREIGN PATENT DOCUMENTS

Examiner Initials	Foreign Patent Document		Country	Date of Publication (MM-DD-YYYY)	Translation	
	Number	Kind Code (if known)			Yes	no
	WO 94/14070	A1	PCT	06/1994		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	S.D. Gertzbein, "Degenerative Disk Disease of the Lumbar Spine" <i>Clinical Orthopaedics and Related Research</i> , No. 129, pp. 68-71(1977)
	Koichiro Satoh <i>et al.</i> , "Presence and Distribution of Antigen-Antibody Complexes in the Herniated Nucleus Pulposus," <i>Spine</i> , Vol. 24, No. 19, pp. 1980-1984 (1999)
	Kjell Olmarker <i>et al.</i> , "Autologous Nucleus Pulposus Induces Neurophysiologic and Histologic Changes in Procine Cauda Equina Nerve Roots" <i>Spine</i> , Vol. 18, No. 11, pp. 1425-1432 (1993)
	Kjell Olmarker <i>et al.</i> , "Effects of Methylprednisolone on Nucleus Pulposus-Induced Nerve Root Injury," <i>Spine</i> , Vol. 19, No. 16, pp. 1803-1808 (1994)
	Kjell Olmarker <i>et al.</i> , "Ultrastructural Changes in Spinal Nerve Roots Induced by Autologous Nucleus Pulposus" <i>Spine</i> , Vol. 21, No. 4, pp. 411-414 (1996)
	Satoru Kayama <i>et al.</i> , "Incision of the Anulus Fibrosus Induces Nerve Root Morphologic, Vascular and Functional Changes," <i>Spine</i> , Vol. 21, No. 22, pp. 2539-2543 (1996)
	Kjell Olmarker <i>et al.</i> , "The Effects of Normal, Frozen and Hyaluronidase-Digested Nucleus Pulposus on Nerve Root Structure and Function," <i>Spine</i> , Vol. 22, No. 5, pp. 471-476 (1997)
	Kjell Olmarker <i>et al.</i> , "Tumor Necrosis Factor α and Nucleus-Pulposus-Induced Nerve Root Injury," <i>Spine</i> , Vol. 23, No. 23, PP. 2583-2544 (1998)
	Kjell Olmarker <i>et al.</i> , "The Experimental Basis of Sciatica," <i>Journal of Orthopaedic Science</i> , Vol. 1, pp. 230-242 (1996)
	Kjell Olmarker <i>et al.</i> , "Pathogenesis of Sciatic Pain: Role of Herniated Nucleus Pulposus and Deformation of Spinal Nerve Root and Dorsal Root Ganglion," <i>Pain</i> , Vol. 78 pp. 99-105 (1998)
	Shoji Yabuki <i>et al.</i> , "Effects of Lidocaine on Nucleus Pulposus-Induced Nerve Root Injury," <i>Spine</i> , Vol. 23, No. 22, pp. 2383-2389 (1998)
	Shoji Yabuki <i>et al.</i> , "Acute Effects of Nucleus Pulposus on Blood Flow and Endoneurial Fluid Pressure in Rat Dorsal Root Ganglia," <i>Spine</i> , Vol. 23, No. 23, pp. 2517-2523 (1998)
	Koji Otani <i>et al.</i> , "Experimental Disc Herniation," <i>Spine</i> , Vol. 22, No. 24, pp. 2894-2899 (1997)
	Satoru Kayama <i>et al.</i> , "Cultured, Autologous Nucleus Pulposus Cells Induce Functional Changes in Spinal Nerve Roots," <i>Spine</i> , Vol. 23, No. 20, pp. 2155-2158 (1998)
Examiner Signature	Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

(05/01)